

WHAT IS CLAIMED IS:

- 1 1. A multi-point spark plug comprising:
2 a plurality of center electrodes;
3 an insulator for accommodating said center electrodes;
4 a housing for holding said insulator; and
5 earth electrodes located at one end portion of said housing and each
6 disposed in opposed relation each of said center electrodes in a state where a
7 discharging gap is interposed therebetween,
8 wherein said insulator includes a head portion protruding from an end
9 surface of said housing opposite to the side in which said earth electrodes exist,
10 and a plurality of terminals each to be electrically connected to each of said
11 plurality of center electrodes are provided in said head portion, and, in an outside
12 configuration composed of said head portion and said terminals, a contour
13 between a location in which the terminal closest to said housing exists and an end
14 portion remotest from said housing is formed axis-symmetrically with respect to
15 an axis of the head portion.

- 1 2. A multi-point spark plug comprising:
2 a plurality of center electrodes;
3 an insulator for accommodating said center electrodes;
4 a housing for holding said insulator; and
5 earth electrodes located at one end portion of said housing and each
6 disposed in opposed relation each of said center electrodes in a state where a
7 discharging gap is interposed therebetween,
8 wherein said insulator includes a head portion protruding from an end
9 surface of said housing opposite to the side in which said earth electrodes exist,
10 and a plurality of terminals each to be electrically connected to each of said
11 plurality of center electrodes are provided in an intermediary member attached to
12 said head portion and, in an outside configuration composed of said intermediary

13 member and said terminals, a contour between a location in which the terminal
14 closest to said housing exists and an end portion remotest from said housing is
15 formed axis-symmetrically with respect to an axis of said head portion.

1 3. The plug according to claim 1, wherein said plurality of terminals have a
2 disc-like configuration or a ring-like configuration.

1 4. The plug according to claim 2, wherein said plurality of terminals have a
2 disc-like configuration or a ring-like configuration.

1 5. The plug according to claim 1, wherein said plurality of terminals are
2 disposed in a state separated from each other in an axial direction.

1 6. The plug according to claim 2, wherein said plurality of terminals are
2 disposed in a state separated from each other in an axial direction.

1 7. The plug according to claim 5, wherein said plurality of terminals are
2 made to have a smaller outer diameter as their positions are remoter from said
3 housing.

1 8. The plug according to claim 6, wherein said plurality of terminals are
2 made to have a smaller outer diameter as their positions are remoter from said
3 housing.

1 9. The plug according to claim 1, wherein at least one of said plurality of
2 terminals is constructed with a ring member showing an elastic force to reduce its
3 diameter.

1 10. The plug according to claim 2, wherein at least one of said plurality of
2 terminals is constructed with a ring member showing an elastic force to reduce its
3 diameter.

1 11. The plug according to claim 1, wherein at least one of said plurality of
2 terminals is placed in a cavity portion made in said insulator.

1 12. The plug according to claim 2, wherein at least one of said plurality of
2 terminals is placed in a cavity portion made in said intermediary member.